IN THE CLAIMS

1.   (Currently Amended) An oscilloscope apparatus, comprising:

a display for displaying a plurality of ~~objects~~ received or processed data signals;

a toolbar comprising a plurality of choices displayed on said display; and

a user interface for selecting ~~an object~~ one of said displayed data signals, said

display further displaying only the most common ~~choices~~ items of said toolbar ~~corresponding~~

that apply to the selected ~~object~~ data signal determined by the characteristics of the selected data

signal, the selected ~~object~~ data signal being defined as the data source for the ~~various features~~

items of the toolbar.

2.   (Currently Amended) The oscilloscope apparatus according to claim 1,

wherein the ~~object~~ data signal is a waveform.

3.   (Currently Amended) The oscilloscope apparatus according to claim 1,

wherein the ~~object~~ data signal is a measurement.

4.   (Currently Amended) The oscilloscope apparatus according to claim 1,

wherein the ~~object~~ data signal is a cursor value.

5.   (Currently Amended) The oscilloscope apparatus according to claim 4,

wherein ~~the function~~ an item is change types.

6.   (Currently Amended) The oscilloscope apparatus according to claim 4, wherein ~~the function~~ <u>an item</u> is turn off.

7.   (Currently Amended) The oscilloscope apparatus according to claim 1, wherein the ~~object~~ <u>data signal</u> is a parameter.

8.   (Currently Amended) The oscilloscope apparatus according to claim 7, wherein ~~the function~~ <u>an item</u> is trend.

9.   (Currently Amended) The oscilloscope apparatus according to claim 7, wherein ~~the function~~ <u>an item</u> is set up.

10.   (Currently Amended) The oscilloscope apparatus according to claim 7, wherein ~~the function~~ <u>an item</u> is histogram.

11.   (Currently Amended) The oscilloscope apparatus according to claim 1, wherein the ~~object~~ <u>data signal</u> is a channel.

12.   (Currently Amended) The oscilloscope apparatus according to claim 11, wherein ~~the function~~ <u>an item</u> is setup channel.

13.   (Currently Amended) The oscilloscope apparatus according to claim 11, wherein ~~the function~~ <u>an item</u> is define zoom.

00180131

14.   (Currently Amended) The oscilloscope apparatus according to claim 11, wherein ~~the function~~ <u>an item</u> is define math trace.

15.   (Currently Amended) The oscilloscope apparatus according to claim 11, wherein ~~the function~~ <u>an item</u> is define measurements.

16.   (Currently Amended) The oscilloscope apparatus according to claim 1, wherein the ~~object~~ <u>data signal</u> is a trace.

17.   (Currently Amended) The oscilloscope apparatus according to claim 1, wherein the ~~object~~ <u>data signal</u> is a grid.

18.   (Currently Amended) An oscilloscope apparatus, comprising:

a display for displaying a plurality of ~~objects~~ <u>received or processed data signals</u>;

a toolbar comprising a plurality of choices displayed on said display;

a user interface for selecting ~~an object~~ <u>one of said displayed data signals</u> displayed on said display; and

a pop-up context sensitive toolbar displayed on said display, said context sensitive toolbar displaying only the most common ~~choices~~ <u>items</u> of said toolbar ~~corresponding~~ <u>that apply</u> to said selected ~~object~~ <u>data signal determined by the characteristics of the selected data signal</u>, the selected ~~object~~ <u>data signal</u> being defined as the <u>data</u> source for the ~~various features~~ <u>items</u> of the toolbar.

19. (Currently Amended) The apparatus of claim 18, wherein said ~~functions~~ items displayed on said context sensitive toolbar are predetermined.

20. (Currently Amended) The apparatus of claim 18, wherein said ~~functions~~ items displayed on said context sensitive toolbar are determined based upon prior use of a particular ~~function~~ item in conjunction with said selected ~~object~~ data signal.

21. (Currently Amended) The apparatus of claim 20, wherein ~~a function~~ said item is displayed on said context sensitive toolbar if it has been previously used with said selected ~~object~~ data signal.

22. (Currently Amended) The apparatus of claim 20, wherein ~~a function~~ said item is removed from said context sensitive toolbar if it has not previously been used with selected ~~object~~ data signal.

23. (Currently Amended) The apparatus of claim 18, wherein said ~~functions~~ items displayed on said context sensitive toolbar are determined based upon one or more values of said selected ~~object~~ data signal.

24.   (Currently Amended) A method for viewing a waveform on an oscilloscope, comprising the steps of:

displaying a plurality of ~~objects~~ <u>received or processed data signals</u>;

displaying a toolbar comprising a plurality of choices;

selecting ~~an object~~ <u>one of said data signals</u> displayed on said display; and

displaying only the most common ~~choices~~ <u>items</u> of said toolbar ~~corresponding~~ <u>that apply</u> to the selected ~~object~~ <u>data signal determined by the characteristics of the selected data signal</u>, the selected ~~object~~ <u>data signal</u> being defined as the <u>data</u> source for the ~~various features~~ <u>items</u> of the toolbar.

25.   (Currently Amended) The apparatus of claim 24, wherein said ~~functions~~ <u>items</u> displayed on said context sensitive toolbar are predetermined.

26.   (Currently Amended) The apparatus of claim 24, wherein said ~~functions~~ <u>items</u> displayed on said context sensitive toolbar are determined based upon prior use of a particular ~~function~~ <u>item</u> in conjunction with said selected ~~object~~ <u>data signal</u>.

27.   (Currently Amended) The apparatus of claim 24, wherein said ~~functions~~ <u>items</u> displayed on said context sensitive toolbar are determined based upon one or more values of said selected ~~object~~ <u>data signal</u>.

28.   (Currently Amended) A method for viewing a waveform on an oscilloscope, comprising the steps of:

displaying a plurality of ~~objects~~ received or processed data signals;

displaying a toolbar comprising a plurality of choices;

selecting ~~an object~~ one of said data signals displayed on said display; and

displaying a pop-up context sensitive toolbar, said context sensitive toolbar displaying only the most common ~~choices~~ items of said toolbar ~~corresponding~~ that apply to said selected ~~object~~ data signal determined by the characteristics of the selected data signal, the selected ~~object~~ data signal being defined as the data source for the ~~various features~~ items of the toolbar.

29.   (Currently Amended) An oscilloscope apparatus, comprising:

an acquisition unit for acquiring a waveform;

a processor for processing said waveform to obtain a plurality of measurements;

a renderer for displaying said waveform and a plurality of ~~objects~~ received and processed data signals respectively and showing the plurality of measurements on a display;

a toolbar comprising a plurality of choices displayed on said display; and

a user interface for selecting ~~an object~~ one of said data signals displayed on said display, said renderer displaying only the most common ~~choices~~ items of said toolbar ~~corresponding~~ that apply to the selected ~~object~~ data signal determined by the characteristics of the selected data signal, the selected ~~object~~ data signal being defined as the data source for the ~~various features~~ items of the toolbar.

00180131